

Title (en)

Biphenyl derivatives, preparation method, pharmaceutical compositions comprising them and use.

Title (de)

Biphenyl-Derivate, Verfahren zur Herstellung, sie enthaltende pharmazeutische Zusammensetzungen und Verwendung.

Title (fr)

Dérivés de biphényle, méthode de préparation, compositions pharmaceutiques les contenant et application.

Publication

EP 0316939 A2 19890524 (EN)

Application

EP 88119220 A 19881118

Priority

JP 29473687 A 19871120

Abstract (en)

Biphenyl derivative of the formula: <CHEM> wherein R<1> is hydrogen atom or a lower alkoxy carbonyl group and R<2> is a lower alkoxy carbonyl group, or R<1> and R<2> are combined together to form a group of the formula: <CHEM> each of R<3> and R<4> is a lower alkoxy group; and Ring A is a substituted or unsubstituted sulfur-containing or nitrogen-containing heterocyclic ring, and a pharmaceutically acceptable salt thereof are disclosed. Said biphenyl derivative (I) and its salt have excellent hypolipidemic activity and are useful for treatment or prophylaxis of hyperlipidemia and/or arteriosclerosis.

IPC 1-7

A61K 31/38; A61K 31/40; A61K 31/47; C07D 209/88; C07D 215/48; C07D 333/22; C07D 333/54; C07D 491/04; C07D 495/04

IPC 8 full level

C07D 209/12 (2006.01); **A61K 31/365** (2006.01); **A61K 31/38** (2006.01); **A61K 31/381** (2006.01); **A61K 31/47** (2006.01); **A61P 3/06** (2006.01); **A61P 9/10** (2006.01); **C07D 209/88** (2006.01); **C07D 215/48** (2006.01); **C07D 333/22** (2006.01); **C07D 333/52** (2006.01); **C07D 333/54** (2006.01); **C07D 491/04** (2006.01); **C07D 491/048** (2006.01); **C07D 495/04** (2006.01); **C07D 521/00** (2006.01)

CPC (source: EP KR US)

A61P 3/06 (2018.01 - EP); **A61P 9/10** (2018.01 - EP); **C07D 209/88** (2013.01 - EP US); **C07D 215/48** (2013.01 - EP US); **C07D 333/22** (2013.01 - EP KR US); **C07D 333/54** (2013.01 - EP US); **C07D 333/64** (2013.01 - KR); **C07D 333/68** (2013.01 - KR); **C07D 491/04** (2013.01 - EP US); **C07D 495/04** (2013.01 - EP KR US)

Cited by

US5169861A; US5066669A; US6251936B1; US6444670B2; WO9961435A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0316939 A2 19890524; EP 0316939 A3 19901205; AU 2570788 A 19890525; AU 611736 B2 19910620; CN 1033276 A 19890607; DK 645988 A 19890521; DK 645988 D0 19881118; FI 885323 A0 19881117; FI 885323 A 19890521; HU 201911 B 19910128; HU T50766 A 19900328; IL 88295 A0 19890630; IL 88295 A 19930315; JP H01135766 A 19890529; KR 890008145 A 19890710; US 4952602 A 19900828

DOCDB simple family (application)

EP 88119220 A 19881118; AU 2570788 A 19881118; CN 88108026 A 19881119; DK 645988 A 19881118; FI 885323 A 19881117; HU 596288 A 19881118; IL 8829588 A 19881104; JP 29473687 A 19871120; KR 880015201 A 19881118; US 26889488 A 19881108